

ORIGINAL

Before the  
**Federal Communications Commission**  
Washington, D.C. 20554

In re Applications of )  
 )  
**DAVID A. RINGER** )  
 )  
ASF BROADCASTING CORPORATION )  
 )  
WILBURN INDUSTRIES, INC. )  
 )  
SHELLEE F. DAVIS )  
 )  
OHIO RADIO ASSOCIATES, INC. )  
 )  
For a Construction Permit for )  
a New FM Station on Channel )  
280A at Westerville, Ohio )

MM DOCKET NO. 93-107

File No. BPH-911230MA

File No. BPH-911230MB

File No. BPH-911230MC

File No. BPH-911231MA

File No. BPH-911231MC

To: The Review Board

**PETITION FOR LEAVE TO AMEND AND AMENDMENT**

David A. Ringer ("Ringer"), by and through counsel, and pursuant to §73.3522(b)(1) of the Commission's Rules (47 C.F.R. §73.3522(b)(1)), hereby submits a "Petition For Leave To Amend and Amendment." In support whereof, the following is shown:

1. As demonstrated in the attached material, this amendment seeks to report that: (a) Mr. Ringer's previous tower site and equipment have been sold to a new owner; (b) that the new owner has decided that he will not provide reasonable assurance for Mr. Ringer's continued use of the tower site and equipment; (c) that Mr. Ringer has located a new tower site location and has obtained reasonable assurance from the owner for the use of the site; and (d) that Mr. Ringer has amended his application and revised his station budget accordingly.

2. Mr. Ringer had been relying on a commitment from Mid-Ohio

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Communications, Inc., the previous licensee of WBBY-FM, Westerville, Ohio, for the use of the former station's tower site and equipment. As Mr. Ringer details in his attached Declaration, on March 2, 1994, Mr. Carl Fry, Mid-Ohio's representative, sent a letter to Mr. Ringer's Washington, D.C., communications counsel, notifying him that the site/equipment had been sold and instructing Mr. Ringer to contact the new owner - Spirit Communications, Inc. - for continued reasonable assurance. See Amendment at Exhibit 1 and Attachment A. In mid-March, Mr. Ringer received a copy of Mr. Fry's letter which had been forwarded to him by his Washington, D.C. counsel and Mr. Ringer was able to reach Mr. John Shumate of Spirit on March 31, 1994. Mr. Shumate gave Mr. Ringer his oral assurance that Spirit would be willing to lease the tower site and equipment to Mr. Ringer at terms similar to the ones previously provided by Mid-Ohio. Mr. Shumate told Mr. Ringer that he would provide a letter to that effect and that he intended to provide a similar letter to each of the other Westerville applicants. Mr. Ringer explains that, at that point, his communications attorney began contacting Mr. Shumate for the letter and that his counsel made several calls to Mr. Shumate from April 1, 1994, to April 8, 1994. Finally, on April 8, 1994, Mr. Shumate changed his mind and instructed Mr. Ringer's counsel that Spirit was not going to permit anyone to use the tower and equipment. Mr. Ringer explains further that he was informed of this fact on April 8, 1994, and that he immediately began searching for a new tower site.

3. Mr. Ringer has located a new tower site - an existing tower structure owned by Ohio State University ("OSU") in Columbus, Ohio, and has obtained

reasonable assurance from OSU for the use of its tower. See Amendment at Exhibit 1, Attachment B. Mr. Ringer has obtained a "reasonable assurance" letter from OSU which details all of the necessary terms and conditions for a future lease. Id. Mr. Ringer has prepared an engineering amendment to his application to specify the OSU tower location. See Amendment at Exhibit 2.<sup>1</sup> Since he will no longer be leasing equipment for his station, Mr. Ringer has also revised his station budget to take into account the additional equipment expenses. See Amendment at Exhibit 1, Attachment C.

4. Good cause exists for the acceptance of Mr. Ringer's site amendment. This amendment meets both the Erwin O'Conner, 22 FCC 2d 140 (Rev. Bd. 1970) test for good cause and the strict test for post-designation engineering amendments as set forth in §73.3522(b)(1) of the rules. Mr. Ringer has diligently reported the loss of his tower site to the Commission. As soon as Mr. Ringer was notified that the new owner was no longer going to permit the continued use of the tower site and equipment, Mr. Ringer quickly located a new tower site and amended his application. This amendment is not being filed as a result of any voluntary action on Mr. Ringer's part, but is filed because of the involuntary loss of his previous tower location. Since Mr. Ringer disavows any increase in coverage that may occur by his changing tower sites, no party will be prejudiced nor will Mr. Ringer gain a competitive advantage by the acceptance of this amendment. This amendment will not disrupt the orderly

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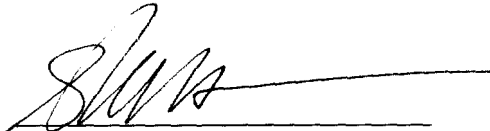
<sup>1</sup> The original copy of the amendment contains the original version of the engineering portion of the amendment including a full-size topographical map.

conduct of this proceeding, which is presently pending before the Review Board on appeal and is frozen as a result of the Commission's freeze on FM comparative proceedings. See, Erwin O'Conner, 22 FCC 2d at 143. Furthermore, the loss of Mr. Ringer's tower site was not foreseeable and was completely unexpected and since the new tower location is an existing structure and Mr. Ringer intends to side-mount his antenna, no modification of the issues or additional parties will be necessitated by the acceptance of this amendment. See, §73.3522(b)(1)(i) of the rules and Erwin O'Conner, 22 FCC 2d at 143.

**WHEREFORE**, the above-premises considered, David A. Ringer respectfully requests that his attached amendment be **ACCEPTED**.

**DAVID A. RINGER**

By:



Arthur V. Belendiuk  
Shaun A. Maher

His Attorneys

**SMITHWICK & BELENDIUK, P.C.**  
1990 M Street, N.W.; Suite 510  
Washington, D.C. 20006  
(202) 785-2800

May 9, 1994

RECEIVED

MAY - 9 1994

Before the  
**Federal Communications Commission**  
Washington, D.C. 20554

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF SECRETARY

In re Application of )  
 )  
**DAVID A. RINGER** ) **File No. BPH-911230MA**  
 )  
For a Construction Permit for )  
a New FM Station on Channel )  
280A at Westerville, Ohio )

**AMENDMENT**

My above-referenced application for new FM station at Westerville, Ohio, is amended to report that: (a) my previous tower site and equipment have been sold to a new owner; (b) the new owner has decided that he will not provided reasonable assurance for my continued use of the tower site and equipment; (c) I have secured a new tower site location and (d) I have amended my application and station budget accordingly. Attached are new engineering and legal portions of my application and a copy of my revised budget. Also attached is my "Declaration," wherein I outline the steps I have taken to expeditiously locate a new tower location.

Executed this 6 day of May, 1994.

**DAVID A. RINGER**

By:   
David A. Ringer

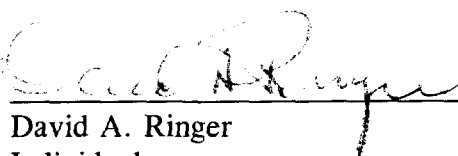
## **EXHIBIT 1**

## DECLARATION

David A. Ringer, under penalty of perjury, declares as follows:

1. I am an individual applicant for a new FM station at Westerville, Ohio.
2. In mid-March, 1994, I received a copy of a letter dated March 2, 1994, from Carl Frye, the representative of Mid-Ohio Communications, Inc., the owner of the site and equipment of the former WBBY-FM. The letter was addressed to my communications attorney in Washington, DC, and my attorney had forwarded to me. In his letter, Mr. Frye stated that the WBBY-FM site and equipment had been sold to a new owner - Spirit Communications, Inc. - and Mr. Frye instructed me to contact Mr. John Shumate of Spirit concerning my continued use of the WBBY-FM site and equipment.
3. I was able to reach Mr. Shumate of Spirit Communications, Inc., on March 31, 1994. Mr. Shumate told me over the telephone that he would be willing to lease the tower site and equipment to me at terms similar to the ones previously provided by Mid-Ohio. I asked him if he would provide me with a letter to that effect and he agreed that he would. He told me that he had been contacted by the other applicants that were specifying the WBBY-FM tower/equipment and that he was going to provide a similar letter to each of the applicants. On that same day, my communications attorneys began contacting Mr. Shumate to assist with the letter. My attorneys made several calls to Mr. Shumate from April 1, 1994, to April 8, 1994, to get him to complete the site letter. Finally, after several attempts, on April 8, 1994, Mr. Shumate informed my communications attorney that he had changed his mind and that Spirit was not going to permit any of the applicants to use its site and/or equipment. My attorney informed me of this fact on April 8, 1994, and I immediately began searching for a replacement tower location.
4. I have spoken with Dale Ouzts, the General Manager of WOSU-TV, a noncommercial, public television station licensed to Ohio State University, in Columbus, Ohio, about the possibility of my side-mounting my FM antenna on the WOSU-TV tower. On April 22, 1994, Mr. Ouzts provided me with a site letter (see Attachment B) wherein he states that I may specify the WOSU-TV tower site in my application and outlining the basic terms that a tower lease would include.
5. I have revised my proposed budget for the new Westerville station to take into account the fact that I will no longer be leasing the WBBY-FM equipment. Attached is a copy of my revised budget (see Attachment C).

May 6, 1994  
Date

  
\_\_\_\_\_  
David A. Ringer  
Individual

**ATTACHMENT A**

Letter from Carl B. Frye to Arthur V. Belendiuk, Esq., March 2, 1994.



**Fry & Waller Co., L.P.A.**

**Attorneys and Counsellors at Law**

35 EAST LIVINGSTON AVENUE, COLUMBUS, OHIO 43215-5762

TELEPHONE 614/228-2300

FAX NO. 614/228-6680

CARL B. FRY  
BARRY A. WALLER  
GEORGE R. McCANN

ROBERT H. GRIFFIN, JR.  
BRYAN L. JEFFRIES

OF COUNSEL:  
DAVID M. BUDA

March 2, 1994

Arthur V. Belendiuk, Esq.  
Counsel for David A. Ringer  
1990 M Street, N.W., Suite 510  
Washington, DC 20036

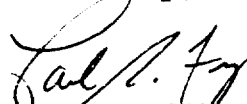
RE: Mid-Ohio Communications, Inc. / WBBY-FM / Lease of Assets

Dear Mr. Belendiuk:

This correspondence is to advise you that all of the real estate and personal property owned by Mid-Ohio Communications, Inc. or affiliated companies which was utilized in regard to the broadcast operation of WBBY-FM has been sold to Spirit Communications, Inc. As you are aware, it has been over two years since the previous owner advised you that if you were awarded the construction permit for the frequency that the previous owner would be willing to negotiate with you regarding the possible lease of the real estate and/or personal property previously involved with the operation of the station. The previous owner has never been advised by you or anyone that a new constructive permit has been issued in regard to the frequency, and the real estate and personal property has now been sold. I am unaware of the new owner's intent in regard to the real estate or the personal property and if you wish to discuss the matter with the new owner, please contact Mr. John Shumate, Spirit Communications, Inc., 114 Dorchester Square, Westerville, Ohio 43081.

Since the real estate and personal property are no longer available for lease by Mid-Ohio Communications, Inc., or affiliated companies, you need to make appropriate arrangements as you deem necessary or as may be legally required in regard to your Application filed with the FCC. If you have any questions regarding this correspondence, please feel free to contact me.

Sincerely,

  
CARL B. FRY

/lt

**ATTACHMENT B**

Letter from Dale K. Ouzts to David A. Ringer, April 22, 1994.



The Ohio State University  
Public Broadcasting Stations

WOSU-AM-FM-TV  
2400 Olentangy River Road  
Columbus, Ohio 43210-1027  
Phone 614-292-9678

April 22, 1994

David A. Ringer  
417 W. Sixth Ave.  
Columbus, Ohio 43201

Re: Letter of intent to lease tower and floor space at WOSU-TV's  
Westerville facility.

Dear Mr. Ringer:

In the event the Federal Communications Commission should grant you and/or your assignees a construction permit for an FM radio station, the WOSU Stations agree to enter into negotiations with you for a lease to you and/or your assignees, upon such terms and conditions and for such rental as may be mutually agreed upon, covering the following property.

Space on the WOSU-TV tower at Westerville, Ohio, to accommodate a two or three bay FM antenna and 1 5/8" transmission line plus space in the WOSU-TV facility to accommodate a 5KW transmitter.

I left the terms of the lease open, since I realize that it may be a number of years before you obtain FCC authorization to build the station.

If a lease were entered into today, the tower space would rent for \$3.00 per foot/mo., and floor space would be \$200/mo., with electric power billed extra, on an as used basis. If the antenna were at 350 feet, the total monthly cost would be \$1250, plus electricity.

By issuing this letter to you, I give the FCC reasonable assurance of the availability of the subject property for the purposes specified herein.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Dale K. Ouzts'.

Dale K. Ouzts  
General Manager

## **ATTACHMENT C**

Ringer's revised station Budget.

REVISED BUSINESS PLAN - MAY, 1994  
David Ringer  
New FM  
Westerville

-----  
CONSTRUCTION COSTS

Harris/Allied Turnkey System	209,394
Auxiliary Generating Equipment	30,000
Furniture & Fixtures	6,000
Legal Fees	50,000
Engineering Fees	5,000
FCC filing Fees	8,790
Miscellaneous Expenses	50,000

TOTAL CONSTRUCTION COSTS	<u>359,184</u>
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OPERATING EXPENSES

	1st month	2nd month	3rd month
Tower Site Rent	1,250	1,250	1,250
Studio Rent	1,000	1,000	1,000
Satellite Service			
Electric	525	525	525
Telephone	1,300	1,300	1,300
Advertising	800	800	800
Salaries:			
General Manager	3,000	3,000	3,000
Sales Manager	1,400	1,400	1,400
Production Director	1,200	1,200	1,200
Overnight Operator	1,120	1,120	1,120
Weekend Staff	1,050	1,050	1,050
Salesman #1	1,800	1,800	1,800
Salesman #2	1,600	1,600	1,600
Bookkeeper/Office Manager	1,250	1,250	1,250
Engineer	600	450	300
Secretary	1,280	1,280	1,280
Payroll Taxes	1,200	1,200	1,200
(FICA, Unemployment, etc.)			
Royalties & Licences	200	200	200
(ASCAP, BMI, & SESCAC)			
Maintenance & Supplies	1,000	1,000	1,000
Insurance	555	555	555
Accounting & Legal Fees	500	500	500
Miscellaneous Expenses	1,200	1,200	1,200

TOTAL OPERATING EXPENSES	<u>23,830</u>	<u>23,680</u>	<u>23,530</u>
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CONSTRUCTION AND OPERATION

TOTAL COST	430,224
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**Proposal Number: Typ Class A**  
**Date of Proposal: May 5, 1994**

## **PROPOSAL**

**FOR**

**NEW FM - Westerville, Ohio**

**c/o SMITHWICK & BELENDIUK**

**1990 M Street, N.W., Suite 510**

**Washington, DC 20036**

**Attn: Mr. Shawn Maher**

**Phone 202/785-2800 Fax 202/785-2804**

**We are pleased to present this Proposal to supply the apparatus as itemized and priced in the attached schedule. All orders subject to final confirmation and acceptance by Seller at its home office.**

**HARRIS CORPORATION Broadcast Division**

**Prepared by:**

**Lynda Baker**

**for:**

**Jim Marwood**

**718 Old Coach Road**

**Westerville, OH 43081**

**Phone 614/882-8506 Fax 614/890-1844**



Proposal Number: Typ Class A

Page: 2

Item No.	Qty.	Stock Number	Description	Unit Price	Total
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Group A: Transmitter

1	1	994-9127-001	HARRIS HT 5FM 5KW FM BROADCAST TRANSMITTER	33,150.00	33,150.00
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## SPECIFY WITH ORDER -

Carrier Frequency: \_\_\_\_\_ MHz  
(87.5-108MHz; 50kHz steps)

RF Power Output: \_\_\_\_\_ Watts (1.5-5kW)

Nominal AC Line Voltage: \_\_\_\_\_ VAC  
(208-240V 2-wire plus safety ground, single phase)

AC Line Frequency: [ ] 60Hz [ ] 50Hz

## INCLUDES:

- \* High performance design meeting or exceeding all applicable FCC, DOC and CCIR standards
- \* Harris THE-1 55 watt FM Exciter equipped for external stereo and SCA generators and monaural audio input; includes slide-out mounting rails
- \* One 300 watt, broadband, solid state (MOS-FET) IPA; self protected for high VSWR, overdrive, overcurrent and overtemperature
- \* One 4CX3,500A tetrode PA tube in grounded cathode configuration; removes/inserts quickly and easily without tools
- \* Quarter wave PA cavity for low synchronous AM noise and reduced crosstalk in stereo and subcarrier operations
- \* Rugged and reliable, all-mechanical PA tuning linkages; no tuning motors
- \* FlexPatch(TM) capability to bypass the IPA for maintenance or emergency operations
- \* Internal BANDPASS harmonic filter with high energy DC short for output transmission line (lightning protection placed outside the PA cavity). True bandpass design for cleaner spectrum and reduced RF interference potential in the air navigation bands.
- \* 1-5/8" EIA flanged output connector
- \* RF directional couplers and RF sample probes
- \* Discrete logic system controller mounted on drop-down front panel; service extender card not required



Proposal Number: Typ Class A

Page: 3

Item No.	Qty.	Stock Number	Description	Unit Price	Total
			<ul style="list-style-type: none"> <li>* Front panel mimic diagram with LED status display to show 16 operating conditions</li> <li>* Four, dedicated analog meters and three analog multimeters to monitor all important circuits</li> <li>* Proportional VSWR foldback for safe operation at reduced power into marginal loads (icy antenna, etc)</li> <li>* Automatic or manual control of RF output power</li> <li>* RF ramp-up to minimize turnon transients</li> <li>* Automatic restart after AC mains interruption; returns to previous operational mode</li> <li>* Internal, low noise blower and air system with cabinet-top exhaust outlet</li> <li>* Washable air filter; serviceable while transmitter is in operation</li> <li>* Built-in interface for remote control, status and metering; RFI and transient protected</li> <li>* Adjustable filament voltage control with true RMS metering</li> <li>* Filament hours meter</li> <li>* Six front panel mounted circuit breakers for subsystem overcurrent protection</li> <li>* Welded steel cabinet with RF seals for low cabinet radiation</li> <li>* Hinged cabinet panels for excellent access to all interior components</li> <li>* Internal power supplies; single cabinet design</li> <li>* High reliability silicon rectifiers; no SCR noise, no SCR controller required</li> <li>* High voltage step-start to minimize turnon transients</li> <li>* Built-in MOV transient voltage suppression on the incoming AC mains lines; meets ANSI/IEEE C62.41-1980 Standard (6kV/3,000A transient source)</li> <li>* Primary taps on the HV plate transformer to optimize PA efficiency over the entire specified range of RF output and AC input</li> <li>* All system technical manuals and final test data</li> </ul>		
<u>OPTIONS:</u>					
2	0	472-0586-000	HT 3.5 FM/5FM Filament Regulator, 60 Hz (installed in base of transmitter)	725.00	0.00
3	0	374-0169-000	Spare 4CX3500A PA Tube	1,770.00	0.00
4	0	990-1088-001	Recommended Semi-Conductor and Fuse Kit	625.00	0.00





Proposal Number: Typ Class A

Page: 4

Item No.	Qty.	Stock Number	Description	Unit Price	Total
5	0	990-1087-001	Recommended Semi-Conductor/Fuse Kit, THE-1	471.00	0.00
<u>TRANSIENT SUPPRESSORS (ALTERNATES)</u>					
6	0	740-1157-000	EFI MBP-120-EFI-Y2, 120/240 volt, single phase, includes (2) MBM-120-EFI modules. (Use this on main AC service panel entrance.)	677.00	0.00
<u>LEA PH SERIES</u>					
7	0	740-1101-000	L.E.A. PH-120/240-2 Transient Voltage Surge Suppressor, 208-240V, single phase, 4-wire; 14"H x 12"W x 6"D (wall mount); 50kA/10,000 joule rating. For any Harris 1-phase transmitter when connected to 115/230V split phase line (typical U.S. household service).	1,359.00	0.00
8	0	740-1102-000	L.E.A. PH-240-1 Transient Voltage Surge Suppressor, 208-240V, single phase, 3-wire, 14"H x 8"W x 6"D (wall mount); 50kA/10,000 joule rating. For any Harris 1-phase transmitter when fed from one leg of 200-240V 3-phase WYE service.	822.00	0.00
9	0	740-1174-000	L.E.A. PH-250-1 Transient Voltage Surge Suppressor, 240-250V, single phase, 3-wire; 14"H x 8"W x 6"D (wall mount); 50kA/10,000 joule rating. For any Harris 1-phase transmitter when fed from one leg of 240-250V 3-phase WYE service.	822.00	0.00
10	0	740-1103-000	L.E.A. PH-240/415-2 Transient Voltage Surge Suppressor, 200-240V, single phase, 4-wire; 14"H x 12"W x 6"D (wall mount); 50kA/10,000 joule rating. For any Harris 1-phase transmitter when connected phase-phase on 200-240V 3-phase closed DELTA service.	1,359.00	0.00

PH Suppressor Features:

- Phase to earth ground protection for maximum current diversion (user to provide low resistance earth ground separate from RF and electronics ground)
- Redundant status annunciators (front panel and internal)
- Rated per ANSI/IEEE C62.41 Category C
- NEMA indoor/outdoor enclosure
- Easy module replacement, no special tools

Total, Group A: Transmitter

33,150.00



Proposal Number: Typ Class A

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Item No.	Qty.	Stock Number	Description	Unit Price	Total
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Group B: Antenna

1	NPN	JAMPRO Model JSCP-3, 3-Bay Directional FM Antenna. THIS IS A BUDGETARY PRICE ESTIMATE.	22,545.00	22,545.00
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Frequency \_\_\_\_\_ MHz

Mounting Brackets:

☐ Face☐ Pole☐ LegFor mounting on ☐ Pole or ☐ Uniform Face Tower

Tower make \_\_\_\_\_

Tower Model # \_\_\_\_\_

Face Width \_\_\_\_\_

Leg Diameter \_\_\_\_\_

Pole Diameter \_\_\_\_\_

Total, Group B: Antenna

22,545.00



Proposal Number: Typ Class A

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Item No.	Qty.	Stock Number	Description	Unit Price	Total
<u>Group C: Transmission Line</u>					
17	350	CWSHCC15850J	Cablewave 1-5/8 Inch Cellflex Coax CWSHCC15850J	16.22	5,677.00
<u>NOTE:</u> Length may need adjustment depending on site layout.					
18	1	CWS738314	Cablewave 1-5/8 Inch HCC Gas Pass Flange CWS738314	260.00	260.00
19	1	CWS738303	Cablewave 1-5/8 Inch HCC Gas Block Flange CWS738303	300.00	300.00
20	12	CWS920691-003	920-691-003 Uninsulated, Unslotted Hangers for 1-5/8" Cable (Kit, 10). Attached by 3/8" dia. hardware (not supplied) to angle adapter, standoff or pre-drilled tower member. One kit required for 30' of coax (minimum)	41.00	492.00
21	12	CWS915006	Cablewave Hardware Kit, CWS915006	15.50	186.00
22	1	CWS910310	Cablewave 1-5/8 Inch Slip On Grip CWS910310	50.00	50.00
<u>NOTE:</u> CSI coax weight is supported only by coax hoist grips (one grip/200'). Please include enough to use as permanent, fixed hangers at time of installation.					
23	1	CWS910311	Cablewave 1-5/8 Inch Hoist Grip, CWS910311	51.00	51.00
24	3	CWS713796-008	Cblwave 1-5/8IN Copper Grnd Kit CWS713796-008	30.00	90.00
<u>NOTE:</u> Normal use is 1 ea. at top of tower, tower exit and building entrance (3 total). For better lightning protection, use one kit per 100' of coax.					
25	2	CWS920434	Cablewave 1-5/8 Inch Feed-Thru, CWS920434	75.00	150.00
<u>NOTE:</u> Normal use is 1 on each side of entry.					
26	1	CWS933629	Cablewave Dehydrator, CWS933629	723.00	723.00
Total, Group C: Transmission Line					7,979.00



Proposal Number: Typ Class A

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Item No.	Qty.	Stock Number	Description	Unit Price	Total
<u>Group D: STL Equipment</u>					
28	1	MOSPCL6020	Moseley PCL 6020 STL System. Includes 6010 Transmitter (5W min) and 6020 dual conversion receiver. User selectable for wideband (composite) or 15kHz mono channel. Capable of two multiplex subcarriers (110-185kHz) using external generators and demodulators. Type N (f) connectors. Specify operating frequency in 950 MHz band for each system order _____ MHz*.	8,250.00	8,250.00
*NOTE: Dual mono/discrete stereo systems are usually offset from channel assignment by +/-125kHz.					
29	2	ANMP9A48GN1	Mark 4 Feet 940-960 MHz Grid Non-Pressurized ANMP9A48GN1	1,110.00	2,220.00
30	300	CWSFLC7850J	Cablewave 7/8 Inch Cellflex Coax CWSFLC7850J	6.18	1,854.00
<u>NOTE:</u> Length may need adjustment depending on site layout.					
31	2	CWS738842	Cablewave 7/8 Inch FLC N Female Connector CWS738842	77.00	154.00
32	2	CWS738841	Cablewave 7/8 N Male, New FLC CWS738841	77.00	154.00
33	10	CWS920981-007	Cablewave 7/8 Inch Slotted Hanger CWS920981-007	41.00	410.00
34	10	CWS915006	Cablewave Hardware Kit CWS915006	15.50	155.00
35	2	CWS910307	CSI 910-307 Holsting Grip, Heavy Duty	43.50	87.00
36	6	CWS713796-005	Cablewave 7/8 Inch Copper Ground Kit CWS713796-005	29.00	174.00
37	4	CWS920433	CSI 920-433 Wall/Roof Feed Thru	52.50	210.00
38	1	MRTPG2B	Marti PG-2B, 2ft. Pigtails to Interconnect to Antennas/Xmtr/Rcv'r. 2' RG-8U with UG-21 Connectors. ("N" Male)	27.00	27.00
Total, Group D: STL Equipment					13,695.00



Proposal Number: Typ Class A

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Item No.	Qty.	Stock Number	Description	Unit Price	Total
<u>Group E: Audio Processing Equipment</u>					
39	1	ORB8100A1-U75	Orban 8100A/1 OptiMod FM Audio Processor/Stereo Generator. 115/230 V, 50/60 Hz	5,950.00	5,950.00
40	2	GECPRISMII-FM	Gentner Digital Control Audio Processor GECPRISMII-FM	1,779.00	3,558.00
41	1	AFX320	Aphex Compellor Dual Mono / Stereo AFX320	1,350.00	1,350.00
Total, Group E: Audio Processing Equipment					10,858.00



**Proposal Number: Typ Class A**

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Item No.	Qty.	Stock Number	Description	Unit Price	Total
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**Group F: Remote Control Equipment**

42	1	AMDTC8	Burk Technology Remote Control System	2,495.00	2,495.00
			AMDTC8		

**NOTES:**

(x = output freq, kHz; specify)

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(y = input freq, kHz; specify)
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Studio Unit TX Site Unit

[ ] 2-wire: WMS \_\_\_\_\_ WMT \_\_\_\_\_  
[ ] STL/SCA: RMS \_\_\_\_\_ /0\* RMT \_\_\_\_\_ / \_\_\_\_\_  
                 (x)                 (y)  
[ ] STL/TRL: RMS \_\_\_\_\_ /0 RMT 0/ \_\_\_\_\_  
                 (x)                 (y)

\* Using SCA return requires SCA-1 SCA Receiver  
(shown below)

**Typical STL Subcarrier Frequencies:**

Marti STL-10; 67kHz

Moseley (all): 110kHz

TFT 7700: 39kHz

8600 (mono): 39kHz

8600 (comp): 152kHz

**NOTE:** For use with SCA, the following must be ordered separately:

**NOTE:**

1. Defeat/squelch circuit of subcarrier receiver (no additional cost).
2. Order subcarrier receiver with 75 microsecond de-emphasis (no additional cost).

## TC-8 AND ARC-16 ACCESSORIES

43	1	AMDIP8	<p><b>Burk Technology Relay Interface Panel</b></p> <p>Provides barrier strip connections for eight metering inputs, eight status inputs and eight each raise and lower outputs, plus fail-safe. All outputs are isolated with 10 amp, Form C (NC,NO) contacts. One panel is required for each eight channels. Mounts on rear rack rails for easy access.</p>	495.00	495.00
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**OPTIONS:**



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Item No.	Qty.	Stock Number	Description	Unit Price	Total
44	0	AMDCI8	Burk Technology Computer Interface AMDCI8	495.00	0.00
Total, Group F: Remote Control Equipment					2,990.00



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Item No.	Qty.	Stock Number	Description	Unit Price	Total
<u>Group G: TSL Equipment</u>					
45	1	M R T T S L 2 - PACKAGE	Marti TSL-2 2.5 Watt TSL Package. Includes: (1) RPT-2/450 Transmitter (1) CR-10/450 Receiver (1) Model 1300 Station Identifier (1) RMH-3 Rack Shelf	2,545.00	2,545.00
46	1	MRTTSL74	Marti TSL Antenna Package. Includes: (2) YC 450 Yagi Gain Antennas (1) PG-2A Jumper Cable (1) PG-2B Jumper Cable (2) K-1 Weatherproofing Kit (add Andrew LDF4-50 Helix and connectors)	460.00	460.00
<u>NOTE:</u> Assumes one antenna will mount on the tower at the FM transmitter site, the other on a suitable customer provided support at the studio.					
47	250	CWSFLC1250J	CSI FLC-12-50J 1/2" Jacketed Cellflex, Foam	2.50	625.00
<u>NOTE:</u> [ ] Length is firm and may be cut. [ ] DO NOT CUT until length is verified.					
<u>NOTE:</u> Length may need adjustment depending on site layout.					
48	4	CWS738801	Cablewave 1/2 Inch FLC N Female Connector CWS738801	31.70	126.80
49	2	AND40417	Andrew 40417 Nylon Cable Tie Kit of 50. Maximum Spacing 3 feet.	36.00	72.00
50	2	CWS910303	CSI 910-303 Hoisting Grip, Heavy Duty	29.00	58.00
<u>NOTE:</u> CSI coax weight is supported only by coax hoist grips (one grip/200'). Please include enough to use as permanent, fixed hangers at time of installation.					
51	1	CWS713796-003	Cblwave 1/2IN Copper Grnd Kit CWS713796-003	23.00	23.00





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Item No.	Qty.	Stock Number	Description	Unit Price	Total
<b>NOTE:</b> Normal use is 1 ea. at top of tower, tower exit and building entrance (3 total). For better lightning protection, use one kit per 100' of coax.					
52	4	CWS920432-002	CSI 920-432-002 Wall/Roof Feed Thru	51.50	206.00
53	1	MRTPG2A	Marti PG-2A, 2 ft. Pigtail RG-8U w/PL-259 (UHF Male) & UG-21 Connectors ("N" Male).	27.00	27.00
54	3	MRTPG2B	Marti PG-2B, 2ft. Pigtails to interconnect to Antennas/Xmtr/Rcv'r. 2' RG-8U with UG-21 Connectors. ("N" Male)	27.00	81.00
Total, Group G: TSL Equipment					4,223.80